

**TABLE 9: GRADING QUALITY OF SOUTH AFRICAN
WHITE AND YELLOW MAIZE 2014/15 - 2023/24**

Season	Number of samples	% Defective kernels above 6.35 mm sieve			% Defective kernels below 6.35 mm sieve			% Foreign matter			% Other colour			% Combined deviations		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
White Maize																
2014/15	485	3.1	0.0	30.0	2.2	0.0	25.5	0.1	0.0	1.2	0.4	0.0	9.6	5.8	0.0	35.3
2015/16	415	3.8	0.7	79.9	2.4	0.0	14.5	0.2	0.0	2.2	0.4	0.0	8.0	6.7	1.9	91.5
2016/17	549	2.9	0.3	25.5	1.8	0.1	12.7	0.2	0.0	6.9	0.2	0.0	7.0	5.1	1.1	36.7
2017/18	451	3.7	0.2	38.6	1.8	0.0	20.7	0.1	0.0	3.0	0.3	0.0	6.2	5.9	0.3	46.2
2018/19	404	6.8	0.2	88.5	1.8	0.0	19.0	0.2	0.0	4.2	0.5	0.0	12.9	9.3	0.6	96.8
2019/20	516	8.1	0.3	95.9	2.0	0.0	18.3	0.2	0.0	7.1	0.4	0.0	18.3	10.7	0.8	98.8
2020/21	560	3.0	0.0	55.1	2.1	0.0	21.1	0.2	0.0	3.9	0.4	0.0	12.8	5.6	0.5	58.7
2021/22	524	5.7	0.2	31.0	1.9	0.0	10.1	0.2	0.0	4.7	0.2	0.0	5.2	8.0	0.3	33.6
2023/24	520	3.3	0.0	51.8	1.7	0.0	8.9	0.2	0.0	3.7	0.2	0.0	4.6	5.5	0.1	55.6
2023/24	518	1.1	0.1	19.5	2.3	0.0	18.5	0.2	0.0	4.0	0.2	0.0	12.1	3.8	0.2	24.7
Weighted Average		4.1			2.0			0.2			0.3			6.6		
Minimum		0.0			0.0			0.0			0.0			0.0		
Maximum		95.9			25.5			7.1			18.3			98.8		
Yellow Maize																
2014/15	515	3.1	0.6	23.0	2.7	0.0	19.0	0.1	0.0	2.5	0.3	0.0	13.6	6.2	0.6	34.4
2015/16	505	3.1	0.5	24.4	2.6	0.0	18.1	0.2	0.0	1.7	0.2	0.0	4.5	6.0	0.6	32.4
2016/17	451	2.4	0.4	24.3	2.0	0.0	27.4	0.2	0.0	2.8	0.2	0.0	6.9	4.7	1.3	33.5
2017/18	449	3.1	0.2	21.2	1.8	0.0	13.5	0.1	0.0	1.3	0.1	0.0	6.2	5.1	0.8	28.0
2018/19	404	3.7	0.0	36.9	1.7	0.0	9.5	0.1	0.0	3.4	0.2	0.0	7.4	5.7	0.7	38.9
2019/20	374	4.3	0.1	85.6	2.3	0.0	11.7	0.1	0.0	5.9	0.2	0.0	17.2	6.9	0.3	86.9
2020/21	440	2.1	0.1	22.4	2.1	0.0	30.9	0.1	0.0	4.7	0.2	0.0	9.6	4.5	0.2	34.8
2021/22	476	4.3	0.2	24.0	2.3	0.0	12.7	0.1	0.0	5.5	0.1	0.0	3.2	6.9	0.3	30.9
2023/24	480	2.8	0.0	29.7	2.3	0.1	12.7	0.1	0.0	2.5	0.1	0.0	4.2	5.4	0.5	30.2
2023/24	482	1.6	0.0	20.3	3.3	0.0	26.9	0.2	0.0	5.1	0.1	0.0	3.9	5.3	0.2	30.9
Weighted Average		3.0			2.3			0.1			0.2			5.7		
Minimum		0.0			0.0			0.0			0.0			0.2		
Maximum		85.6			30.9			5.9			17.2			86.9		
White and Yellow Maize																
2014/15	1000	3.1	0.0	30.0	2.5	0.0	25.5	0.1	0.0	2.5	0.3	0.0	13.6	6.0	0.0	35.3
2015/16	920	3.4	0.5	79.9	2.5	0.0	18.1	0.2	0.0	2.2	0.3	0.0	8.0	6.3	0.6	91.5
2016/17	1000	2.6	0.3	25.5	1.9	0.0	27.4	0.2	0.0	6.9	0.2	0.0	7.0	4.9	1.1	36.7
2017/18	900	3.4	0.2	38.6	1.8	0.0	20.7	0.1	0.0	3.0	0.2	0.0	6.2	5.5	0.3	46.2
2018/19	808	5.3	0.0	88.5	1.8	0.0	19.0	0.1	0.0	4.2	0.4	0.0	12.9	7.5	0.6	96.8
2019/20	890	6.5	0.1	95.9	2.1	0.0	18.3	0.2	0.0	7.1	0.3	0.0	18.3	9.1	0.3	98.8
2020/21	1000	2.6	0.0	55.1	2.1	0.0	30.9	0.2	0.0	4.7	0.3	0.0	12.8	5.1	0.2	58.7
2021/22	1000	5.0	0.2	31.0	2.1	0.0	12.7	0.2	0.0	5.5	0.2	0.0	5.2	7.5	0.3	33.6
2023/24	1000	3.1	0.0	51.8	2.0	0.0	12.7	0.2	0.0	3.7	0.2	0.0	4.6	5.4	0.1	55.6
2023/24	1000	1.4	0.0	20.3	2.8	0.0	26.9	0.2	0.0	5.1	0.2	0.0	12.1	4.5	0.2	30.9
Weighted Average		3.6			2.2			0.2			0.3			6.1		
Minimum		0.0			0.0			0.0			0.0			0.0		
Maximum		95.9			30.9			7.1			18.3			98.8		